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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Attorney Docket No.	EPA 679-03
First Inventor	Charles L. Gray, Jr.
Title	Low Emission Diesel Combustion Sys Low Charge-Air Oxygen Concentration
Express Mail Label No.	

A standard linear barcode is positioned vertically on the right side of the page. To its right, the date '09/19/03' is printed vertically.

## **APPLICATION ELEMENTS**

*See MPEP chapter 600 concerning utility patent application contents.*

**ADDRESS TO:** Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

- Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
  - Applicant claims small entity status.  
See 37 CFR 1.27.
  - Specification [Total Pages 43]  
*(preferred arrangement set forth below)*
    - Descriptive title of the invention
    - Cross Reference to Related Applications
    - Statement Regarding Fed sponsored R & D
    - Reference to sequence listing, a table,  
or a computer program listing appendix
    - Background of the Invention
    - Brief Summary of the Invention
    - Brief Description of the Drawings (*if filed*)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  - Drawing(s) (35 U.S.C. 113) [Total Sheets 8] 1
  - Oath or Declaration [Total Sheets 2]
    - Newly executed (original or copy)
    - Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
  - Application Data Sheet. See 37 CFR 1.76

- CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
  8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
    - a.  Computer Readable Form (CRF)
    - b. Specification Sequence Listing on:
      - i.  CD-ROM or CD-R (2 copies); or
      - ii.  Paper
    - c.  Statements verifying identity of above copies

## **ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*

11.  English Translation Document (*if applicable*)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*

15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*

16.  Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP) of prior application No.: 10/241,229

Prior application information: Examiner Trieu, Thai Ba Art Unit: 3748  
For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number:  OR  Correspondence address below

Name	David H. Read			
Address	2565 Plymouth Road			
City	Ann Arbor	State	Michigan	Zip Code
Country	USA	Telephone	(734) 214-4367	Fax (734) 214-4573
Name (Print/Type)	David H. Read	Registration No. (Attorney/Agent)		47 888
Signature	David Read			

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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15623 U.S. 9/19/03

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$)

**C mplete if Known**

Application Number	
Filing Date	
First Named Inventor	Charles L. Gray, Jr.
Examiner Name	
Art Unit	
Attorney Docket No.	EPA-679-03

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

Deposit Account Number  
51128  
Deposit Account Name  
U.S. Environmental Protection Agency

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	750
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b> (\$)		<b>750</b>	
<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b>			
Total Claims	Extra Claims	Fee from below	Fee Paid
55	-20** = 35	x 18	= 630
Independent Claims	5	- 3** = 2	x 84 = 168
Multiple Dependent			
<b>SUBTOTAL (2)</b> (\$)		<b>798</b>	
**or number previously paid, if greater; For Reissues, see above			
Other fee (specify) _____			
*Reduced by Basic Filing Fee Paid		<b>SUBTOTAL (3)</b> (\$)	

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	David H. Read	Registration No. (Attorney/Agent)	47,888	Telephone	(734)214-4367
Signature	David Read			Date	Sept. 18, 2003

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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“Express Mail” mailing label number: ER572345526 US

Date of Deposit: September 19, 2003

I hereby certify that this paper is being deposited with the United States Postal Service “Express Mail Post Office to Addressee” service under 37 C.F.R. sec. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, P.O. Box 1450 Washington, D.C. 20231. Mail Stop Patent Application

Alexandria, VA

David H. Read

22313-1450

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